

ICSE Mathematics Question paper

Test No – 5

Total Marks :100

Duration : $2\frac{1}{2}$ hours

Date : 13 / 8 / 2016

Answers to this Paper must be written on the paper provided separately.

This time is to be spent in reading the Question Paper.

The time given at the head of this Paper is the time allowed for writing the answers.

SECTION I

(10 x 10= 100 Marks)

Attempt all questions from this Section

1. A person invested some money at 12% simple interest and some other amount at 10% simple interest. He received yearly interest of Rs.1300.If he had interchanged the amounts, he would have received Rs.40 more as yearly interest. How much did he invest at different rates?
2. A and B have some money with them. “A said to B” , if you give me Rs.100, my money will become 75% of the money left with you.” B said to A “ , instead if you give me Rs.100, your money will become 40% of my money, How much money did A and B have originally?

3. The students of a class are made to stand in (complete) rows. If one student is extra in a row, there would be 2 rows less, and if one student is less in a row, there would be 3 rows more. Find the number of students in the class.
4. If from twice the greater of two numbers 16 is subtracted, the result is half the other number. If from half the greater number 1 is subtracted, the result is still half the other number. What are the numbers.
5. A jeweler has bars of 18-carat gold and 12-carat gold. How much of each must be melted together to obtain a bar of 16-carat gold weighing 120 grams ?
6. 2 men and 5 women can do a piece of work in 4 days, while one man and one woman can finish it in 12 days. How long it take for 1 man to do the work?
7. In a two digit number the sum of the digits is 7. If the number with the order of the digits reversed is 28 greater than twice the unit's digit of the original number, find the number.
8. A boat takes 2 hours to go 40 km down the stream and it returns in 4 hours. Find the speed of the boat in still water and the speed of the stream?
9. Four years ago Marina was three times old as her daughter. Six years from now the mother will be twice as old as her daughter. Find their present ages.
10. Three years hence a man's age will be three times his son's age and 7 years ago he was seven times as old as his son. How old are they now?